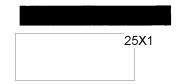
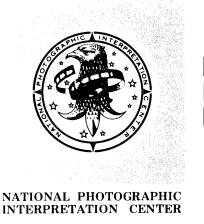
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PHOTOGRAPHIC **I**NTERPRETATION REPORT

NEW ANALYSIS OF THE PE-EL-02 ANTENNA CONFIGURATION IN THE USSR (TSR)

Top Secret

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MARCH 1978 Copy **133**

PIR-013/78

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NEW ANALYSIS OF THE PE-EL-02 ANTENNA CONFIGURATION IN THE USSR (TSR)

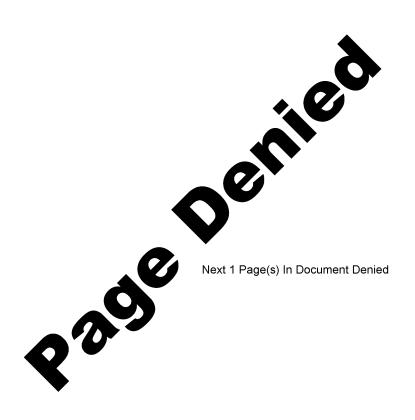
- 1. (TSR) The PE-EL-02 antenna, primarily associated with the type III-X launch control facility (LCF; Table 1), is a guyed mast approximately 26 meters high with a 9-meter vertical appendage (boom or spar) rather than an inclined appendage as previously reported. The 9-meter vertical appendage may support antenna elements or may be the antenna itself.
- 2. (TSR) In a raised position (Figure 1), the mast supporting the appendage is tilted from the vertical, making the angle between the mast and the vertical appendage less than 180 degrees. The angle between the mast and the gin pole is slightly greater than 90 degrees. In the lowered position (Figure 2), the mast is horizontal while the 9-meter appendage appears to be tilted slightly upward.
- 3. (TSR) The off-vertical configuration of the supporting mast may allow the antenna to be raised and lowered automatically from the type III-X command and control silo, since the mast is lowered simultaneously with the release of tension from the lifting cable.
- other LCFs as well as to the command post bunker and alternate command post bunker.

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4. (TSR) If the PE-EL-02 is an omnidirectional antenna, the LCF would have a link to the Table 1. Location and Construction Chronology of the PE-EL-02 Antenna This table in its entirety is classified TOP SECRET RUFF 25X1 Aleysk LCF BB 25X1 Dombarovskiy LCF FF 25X1 Imeni Gastello LCF BB Kartaly LCF CC 25X1 Khmelnitskiy ICBM Complex Command Post Bunker 25X1 Kostroma LCF II Kozelsk LCF JJ 25X1 Kozelsk LCF LL Pervomaysk ICBM Complex Command Post Bunker 25X1 Tatishchevo LCF FF 25X1 Tatishchevo LCF GG 25X1 25X1 Uzhur LCF DD . Yedrovo LCF PP 25X1 25X1 Yoshkar-Ola LCF B ** Zhangiz-Tobe LCF BB Zhangiz-Tobe LCF CC *The antenna is complete but is not in a raised position (see Figure 2). **This is not a III-X launch control facility. REFERENCES 25X1 SR-022/78, New Type of Antenna Identified at Type III-X Launch Control Facilities in the 25X1 USSR (TSR), Mar 78 (TOP SECRET RUFF) 25X1 REQUIREMENT Project 130000NX 25X1

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